

Two Week Training Course Rev. 8
North America Location, (LBNL, YM-ESF and AECL-URL)
IAEA Network
Developed: 2-25-2003 (Rev. 2, 3-4-2003) (Rev. 3, 3-13-2003) (Rev. 4, 3-30-2003)(Rev. 5, 4-8-2003)(Rev. 6, 4-15-2003) (Rev. 7, 4-16-2003), (Rev. 8, 4-29-2003), (Rev. 9, 6-02-03), (Rev. 10, 6-04-03), (Rev. 11, 6-5-03)

GENERAL TRAINING ON METHODOLOGIES FOR GEOLOGICAL DISPOSAL in NORTH AMERICA

Preface

Administrative and logistical difficulties that potentially impacted Member State participation cause us to reschedule the General Training to August 11 through August 22, 2003.

Session content, sequence and duration of presentations have not changed.

Week 1 – Aug. 11-15, 2003- Classroom Orientation/Training

Day 1 – Monday, August 11

8:00 - 8:30 am - - **Introduction to the Training Session** (Bo Bodvarsson, LBNL and Malcolm Gray, IAEA)

8:30 - 9:30 am - - Session 1: **Nuclear Waste Disposal Concepts** (Chris Whipple, Environ International)

9:30 - 10:30 am - - Session 2: **Nuclear Fuel Cycle** (Per Peterson, UC Berkeley)

10:30 - 10:45 am - - **Break**

10:45 - 11:45 am - - Session 3: **Perspectives of the Regulator for Nuclear Waste Disposal Facilities** (Bill Reamer, U.S. Nuclear Regulatory Commission)

11:45 - 1:15 pm - - **Lunch**

1:15 - 2:15 pm - -Session 4: **Technical Review for Nuclear Waste Disposal Facilities** (Richard ParizekDan Metlay, NWTRB).

2:15 - 3:15 pm - - Session 5: **Project Management in a Regulatory Environment** (Claudia Newbury, DOE)

3:15 -3:30 pm - - **Break**

3:30 - 4:30 pm - - Session 6: **Organizational, Institutional and Social Considerations** (Dan MetlayDan Metlay, NWTRB).

4:30 - 5:00 pm - - Open discussion of Day 1 Topics and general context. (Discussion leader: Dennis Williams)

5:00 pm **Adjourn** for Day 1

Day 2 – Tuesday, August 12

8:00 - 9:45 am - - Session 7: **Site Screening and Selection** (Steve Brocoum, DOE and Malcolm Gray, IAEA)

9:45 - 10:00 am **Break**

10:00 - 11:30 am - - Session 8: **Preliminary Site Characterization** (Claudia Newbury, DOE and David DixonPaul Thompson, AECL)

11:30 - 1:00 pm - - **Lunch**

1:00 - 4:30 pm - - Session 9: **Geoscience Knowledge Integration** (GKI) (Frank D’Agnese, DOE/USGS) Includes a 15-minute break at a convenient mid-point.

4:30 - 5:00 pm - - Open discussion of Day 2 Topics and general context. (Discussion leader: Dennis Williams)

5:00 pm **Adjourn** for Day 2

6:00pm **Banquet Dinner** – Dr. Guest SpeakerCharles Fairhurst

Day 3 – Wednesday, August 13

8:00 - 9:45 am - - Session 10: **Natural and Man-Made Natural Barriers** (Bo Bodvarsson, DOE/LBNL and David DixonPaul Thompson, AECL)

9:45 - 10:15 am - - **Break**

10:15 - 11:45 am - - Session 11: **Engineered Barriers** (David Dixon, AECL, and Alf Wikjord, AECL). This will be primarily an AECL presentation since the AECL concept is more applicable to most International waste programs. A short 10-15 minute commentary on the U.S. program with regard to the regulatory aspects of Engineered Barriers may be presented (Steve Brocoum, DOE).

11:45 - 1:15 pm - - **Lunch**

1:15 - 3:15 pm - - Session 12: **Underground Exploratory Studies** (Mark Peters, DOE/LANL and Paul Thompson, AECL) Includes a 15-minute break at a convenient mid-point.

3:15 - 5:00 pm - - Tour of LBNL (Bo Bodvarsson, LBNL, Tour Leader)

5:00 pm **Adjourn** for Day 3

Day 4 – Thursday, August 14

8:00 - 11:30 am - - Session 13: **Modeling** (Bo Bodvarsson, DOE/LBNL and David Dixon, AECL) Includes a 30-minute break at a convenient mid-point.

11:30 - 1:00pm - - **Lunch**

1:00 - 3:15 pm - - Session 14: **Total System Performance Assessment (TSPA)** (Alf Wikjord, AECL, Abe VanLuik, DOE; and John Kessler, EPRI; Joon Hong Ahn, UC Berkeley; and Alf Wikjord, AECL,). The Japanese program TSPA, H-12 report will be discussed as part of the session by The U.S., Canadian, and Japanese approaches to TSPA will be discussed. Joon Hong Ahn, UC Berkeley. Includes a 15-minute break at a convenient mid-point.

3:15 - 3:30 pm - - Open discussion of Day 4 Topics and general context. (Discussion leader: Dennis Williams)

3:30 - 5:00 pm -- Tour of Earth Sciences Laboratory (Bo Bodvarsson, LBNL, Tour Leader)

5:00 pm **Adjourn** for Day 4

Day 5 – Friday, August 15

8:00 - 11:00 am - - Session 15: **Repository Design and Performance Confirmation** (David Dixon, AECL and Paul Thompson, AECL). This session will be primarily an AECL presentation since the AECL concept is more applicable to most International waste programs. A short 20-30 minute commentary on the U.S. program with regard to the regulatory aspects of the performance confirmation program will be presented near the end of the session (Claudia Newbury, DOE). The session will include a 30-minute break at a convenient mid-point.

11:00 - 1:00 pm - - **Lunch**

1:00 - 2:30 pm - - Session 16: **Worldwide Review of URLs and Nuclear Waste Disposal Development** (Paul Witherspoon, DOE/LBNL)

2:30 - 3:00 pm - - Open discussion of Day 5 Topics and general context. (Discussion

leader: Dennis Williams)

3:00 - 3:15 pm - - **Break**

3:15 - 3:30 pm - - **Brief Comments on the YM ESF** (Mark Peters, DOE/LANL)

3:30 - 3:45 pm - - **Brief Comments on the AECL URL** (David Dixon, AECL) or WIPP as the contingency location, presenter TBD.

3:45 - 4:15 pm - - **Closing Remarks and Practical Considerations for Week 2, the Underground** (Malcolm Gray, IAEA, ; David Dixon, AECL; and Bo Bodvarsson, DOE/LBNLAECL facilitator and DOE facilitator, names TBD))

4:15 pm **Adjourn** for Day 5 and Week 1

Week 2 – August 18-22, 2003 - Underground Orientation and Training

Monday, August 18 - Yucca Mountain Exploratory Studies Facility

Tuesday, August 19 - Yucca Mountain Exploratory Studies Facility

Wednesday, August 20 - Travel Day

Thursday, August 21 - AECL Underground Research Laboratory

Friday, August 22 - AECL Underground Research Laboratory